

Comparisons of Job Characteristics

Focus Occupation: Foundry Mold and Coremakers (51-4071)

Associated Occupation: Pourers and Casters, Metal (51-4052)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 64

Focus Occupation: Foundry Mold and Coremakers (51-4071)
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Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Production and Processing	6.0	7.5	11.8	>> Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 68

Focus Occupation: Foundry Mold and Coremakers (51-4071)
Associated Occupation: Pourers and Casters, Metal (51-4052)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation Monitoring	6.6	9.5	5.7	<< Extensive development of skills in this area may be required
Operation and Control	5.4	8.7	3.7	<< Extensive development of skills in this area may be required
Equipment Maintenance	3.5	6.7	1.3	<< Extensive development of skills in this area may be required
Troubleshooting	4.5	6.2	4.7	< A higher skill level may be required
Repairing	3.4	5.8	1.3	<< Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 85

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Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Arm-Hand Steadiness	6.8	10.7	10.1	0	Current ability level may be sufficient
Control Precision	6.6	10.3	9.1	<	Some improvement in abilities may be required
Manual Dexterity	6.5	9.8	12.2	>	Current ability level is likely sufficient
Reaction Time	4.8	9.0	10.5	>	Current ability level is likely sufficient
Static Strength	5.0	8.4	11.5	>>	Current ability level is likely more than sufficient
Rate Control	3.8	7.2	8.3	>	Current ability level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 96

Focus Occupation: Foundry Mold and Coremakers (51-4071)
Associated Occupation: Pourers and Casters, Metal (51-4052)

Work Activities	Exclusivity of Activity
Adjust production equipment/machinery setup	25
Construct molds	81
Move or fit heavy objects	8
Operate hoist, winch, or hydraulic boom	34
Operate ore refining/foundry equipment/machinery	84
Signal directions or warnings to coworkers	42
Use hand or power tools	2

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: n/a

Focus Occupation: Foundry Mold and Coremakers (51-4071)
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Tools and Technologies	Exclusivity
Tools and technology data is unavailable for one or both occupations.	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.